

LIQUID LEVEL SENSOR WITH ODOR REDUCTION FOR WASTE HOLDING TANKS

Claims

What is claimed is:

1. A sensor for use in detecting the level of liquid in a waste holding tank, comprising: a pressure sensor, an aeration tube, and a supply of air, said pressure sensor being disposed on the aeration tube; said aeration tube being disposed in a holding tank, with one end outside the tank and connected to an air supply tube connected to an air pump, the other end of the aeration tube being disposed inside the holding tank as close to the bottom of the holding tank as possible; said supply of air being substantially continuously supplied via an air supply tube connected to an air pump, wherein: measurement of air pressure in said aeration tube, using said pressure sensor, is used to determine liquid level in said holding tank.
2. The sensor according to claim 1, wherein said pressure sensor and aeration tube are sealingly connected to one another.
3. The sensor according to claim 1, wherein the substantially continuous supply of air into said aeration tube in said holding tank provides air to said sewage to create an oxygen-enriched environment in said sewage, thereby assisting in reducing the odors emanating from said sewage within said holding tank.